

WHAT IS CLAIMED IS:

1. A color-changeable pixel comprising:

a first electrode;

5 a second electrode, wherein the second electrode is a moveable electrode and is seated in parallel with the first electrode substantially; and

a plurality of supports, located between the first electrode and the second electrode, wherein a restorability of the second electrode is adjusted by a distribution density of the supports.

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2. The color-changeable pixel of claim 1, wherein when the supports are a plurality of posts, the distribution density of the supports is a quantity of the posts per unit area.

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3. The color-changeable pixel of claim 2, wherein a range of the distribution density is between 225 posts per square millimeter and 2500 posts per square millimeter.

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4. The color-changeable pixel of claim 2, wherein a preferred range of the distribution density is between 400 posts per square millimeter and 2500 posts per square millimeter.

5. The color-changeable pixel of claim 1, wherein the supports are grid supports.

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6. The color-changeable pixel of claim 1, wherein a material of the supports is a photosensitive material or a non-photosensitive material.

7. The color-changeable pixel of claim 1, wherein a material of the
5 supports is a photoresist.

8. The color-changeable pixel of claim 1, wherein a material of the supports is polyester or polyamide.

10 9. The color-changeable pixel of claim 1, wherein a material of the supports is an acrylic resin or an epoxy resin.